

AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims.

1. (Previously Presented) A method, comprising:
receiving an area event notification request from a client at a location service entity provided in association with a communication system, the area event notification request containing information associated with the identity of a mobile station and a geographical area of interest;
activating monitoring for an event indicative of a change in the presence status of the mobile station relative to said geographical area of interest;
signalling a notification to the client in response to detection of such event; and
providing information regarding services to the mobile station in response to a notification that the mobile station is present in the geographical area of interest.
2. (Original) A method as claimed in claim 1, wherein the monitoring is activated at the mobile station.
3. (Original) A method as claimed in claim 1, wherein the monitoring is based on the identity of at least one cell of the communication system selected based on said information of the area of interest.
4. (Original) A method as claimed in claim 1, wherein the monitoring is based on at least one location area determined based on said information of the area of interest.

5. (Original) A method as claimed in claim 1, wherein the monitoring is based on at least one routing area determined based on said information of the area of interest.

6. (Original) A method as claimed in claim 1, wherein the monitoring is based on at least one service area determined based on said information of the area of interest.

7. (Original) A method as claimed in claim 1, wherein the area of interest is defined by means of a shape of the area.

8. (Original) A method as claimed in claim 1, wherein the request contains further information regarding the event to reported, the further information defining whether entering or leaving or the area of interest shall be reported.

9. (Original) A method as claimed in claim 1, comprising cancelling the request for area event notifications.

10. (Previously Presented) A method according to claim 9, wherein the request is cancelled after the signalling notification step.

11. (Original) A method according to claim 1 wherein said signalling notification is responsive to detection of said event over a predetermined time period.

12. (Original) A method according to claim 1 wherein successive signalling within a predetermined time period is limited.

13. (Previously Presented) A method according to claim 12, wherein a location service (LCS) client defines the predetermined time period such that successive signalling is limited.

14. (Original) A method according to claim 12, wherein a network operator defines the predetermined time period such that successive signalling is limited.

15. (Original) A method according to claim 1 wherein the area of interest is taken into consideration in cell selection.

16. (Original) A method according to claim 1 wherein the step of receiving an area event notification request is responsive to a location update.

17. (Previously Presented) A method according to claim 1 further comprising confirming the location of the mobile station responsive to the signalling location, to ensure the location corresponds to the area of interest.

18. (Previously Presented) An apparatus, comprising:

a location service entity configured to receive an area event notification request from a client containing information associated with the identity of a target mobile station and a geographical area of interest;

a monitoring entity configured to monitor, in response to receiving said request, an event indicative of a change in the presence status of the target mobile station relative to said geographical area of interest and signal a notification to the client in response to detection of such event, the apparatus further configured to provide information regarding services

to the mobile station in response to a notification that the mobile station is present in the geographical area of interest.

19. (Currently Amended) An apparatus as claimed in claim 18, wherein the monitoring ~~entity means are~~ provided in association with the target mobile station.

20. (Previously Presented) An apparatus as claimed in claim 18, wherein the monitoring is based on an area identifier associated with the operation of the communication system.

21. (Previously Presented) An apparatus as claimed in claim 18, wherein the area of interest is defined by means of the shape thereof.

22. (Canceled)